

Patent Abstracts of Japan

PUBLICATION NUMBER : 06222013
PUBLICATION DATE : 12-08-94

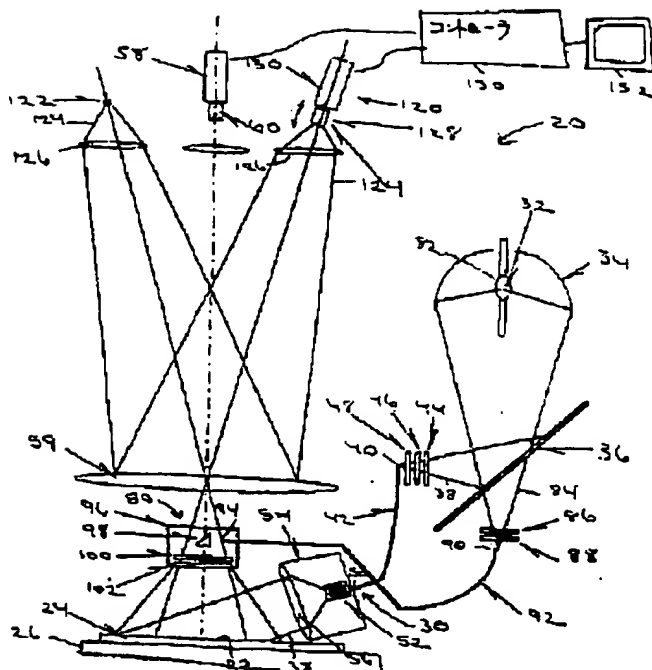
APPLICATION DATE : 09-09-93
APPLICATION NUMBER : 05249981

APPLICANT : YAMASHITA DENSO KK;

INVENTOR : KUNIAKI TAKAHASHI;

INT.CL. : G01N 21/88 G01B 11/30 G11B 5/84
G11B 23/00

TITLE : OPTICALLY SURFACE-INSPECTING
APPARATUS



ABSTRACT : PURPOSE: To provide a visible light inspecting apparatus which can detect and distinguish various kinds of cracks on the surface of an object.

CONSTITUTION: This optically inspecting apparatus has three inspection channels to detect cracks of the surface in a selected region. A first optically inspecting channel 30 irradiates first light beam to the selected region of the surface at small incident angle to form a dark field reflected image and detect the scratches and fine particles. The second optically inspecting channel 80 irradiates diffused second light beam to the selected region to form a bright field reflected image to detect stains. The third optically inspecting channel 120 irradiates third light beam to the selected region at large incident angle to form a bright field reflected image to detect recesses and unevenness.

COPYRIGHT: (C) JPO